

P63590US00 corrected.txt
SEQUENCE LISTING

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Sikkema, Jan
Geurts, Johannes M.W.
Nauta, Arjen

<120> Methods and means for regulating gene expression

<130> P63590US00

<140> US 10/562,601
<141> 2005-12-28

<150> PCT/NL2004/000474
<151> 2004-07-02

<150> EP 03077074.7
<151> 2003-07-02

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<170> PatentIn Ver. 3.3

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<222> (5)..(5)
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26

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aatttcagaa aataa 15

<210> 109
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P63590US00 corrected.txt
<223> presence of putative Cody box in ycgM

<400> 109
attttgagga tattg 15

<210> 110
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<220>
<223> presence of putative Cody box in yhjc

<400> 110
aatttcagac aattc 15

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<220>
<223> presence of putative Cody box in ybgE

<400> 111
atattctgaa attta 15

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<220>
<223> presence of putative Cody box in ykbA

<400> 112
tttatcaaaa aagtc 15

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<220>
<223> presence of putative Cody box in ggaA

<400> 113
attttcagca aaaaa 15

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<400> 114

ataatcagaa tcttt

<210> 115
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<220>
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<400> 115
tttttatgaa aaata

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<210> 116
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<220>
<223> presence of putative Cody box in guaB

<400> 116
gttatctaaa tattt

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<210> 117
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<220>
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<400> 117
attgtcaaaa taaaa

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<220>
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<400> 118
attgacagaa ttatc

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<220>
<223> presence of putative Cody box in rocA

<400> 119
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P63590US00 corrected.txt

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<210> 126
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<220>
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<400> 126
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<210> 127
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<220>
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<220>
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<220>
<223> presence of the putative CodY box in glnQ

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P63590US00 corrected.txt

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<210> 132
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<220>
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<210> 133
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<220>
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<210> 134
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P63590US00_corrected.txt
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<220>
<223> presence of the putative **CodY** box in **yqiQ**

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<210> 137
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<220>
<223> presence of the putative **CodY** box in **ggaA**

<400> 137
attttcagaa ttata 15

<210> 138
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<220>
<223> presence of the putative **CodY** box in **yury**

<400> 138
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<210> 139
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<220>
<223> presence of the putative **CodY** box in **ureA**

<400> 139
tttatctgaa aattt 15

<210> 140
<211> 15
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<213> Artificial Sequence

<220>
<223> presence of the putative **CodY** box in **leus**

<400> 140

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<210> 141
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<220>
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<210> 142
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<220>
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15

<210> 143
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<220>
<223> presence of the putative CodY box in yvcc

<400> 143
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15

<210> 144
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<400> 144
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15

<210> 145
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<220>
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15

P63590US00 corrected.txt

<210> 146
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<220>
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<210> 147
<211> 15
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<220>
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<400> 147
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<210> 148
<211> 15
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<220>
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<220>
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<210> 150
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P63590US00 corrected.txt

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<400> 151
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<210> 152
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<220>
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26

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26

<210> 154
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26

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P63590US00 corrected.txt

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P63590US00 corrected.txt

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<210> 162
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<220>
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<210> 163
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<210> 165
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<220>
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<400> 165
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P63590US00 corrected.txt

<212> DNA
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<220>
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<400> 167
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<210> 168
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<220>
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<400> 170
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<210> 171
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P63590US00 corrected.txt

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<210> 173
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<220>
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<210> 174
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<210> 175
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<210> 176
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P63590US00_corrected.txt
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aaattatcta ataacaaaaa tattat

26

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tttattacag aaagaacaaa aaatgc

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<210> 178
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<220>
<223> presence of the putative **CodY** box in **ilvD**

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gaattttcag aaaattctat acgcat

26

<210> 179
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<223> presence of the putative **CodY** box in **arCA**

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atattttttg aaaaattttt taaaaa

26

<210> 180
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26

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P63590US00 corrected.txt

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P63590US00 corrected.txt

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P63590US00 corrected.txt

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26

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<220>
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26

<210> 194
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<220>
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agattttaag taaaatttat tagtaa

26

<210> 195
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26

<210> 196
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26

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P63590US00 corrected.txt

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15

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15

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15

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P63590US00 corrected.txt

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P63590US00 corrected.txt

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attttttagaa aatta	15
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<223> presence of the putative CodY box in dnaG/ ftsA	
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P63590US00 corrected.txt

<210> 213

<211> 15

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<213> Artificial Sequence

<220>

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<400> 213

attttcagga tattt

15

<210> 214

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<223>

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tttatttcgc gtaatgttca gaaaattcat gaacataacct aaaatagttaa atttttgc 180

atatgcgaaa aaatgtatcat ttttttatttttttttta gaaagattttt attgaggtaa 240

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<210> 217
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<400> 217
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<210> 218
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actgtgccga aaattcatga acatac 26

<210> 219
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<400> 219
aactgcagga aaattcatga acatac 26

<210> 220
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> WT oppD upstream region

<400> 220
cgtaatgttc agaaaattca tgaacatacc 30

<210> 221
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> MUT2, mutant in oppD upstream region

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<400> 221	cgtaatgttc tgaaaattca tgaacatacc	30
<210> 222		
<211> 30		
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<220>		
<223> MUT1, mutant in oppD upstream region		
<400> 222	cgtaatgttc agaaaattca tgacatacc	30
<210> 223		
<211> 30		
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<213> Artificial Sequence		
<220>		
<223> MUT4, mutant in oppD upstream region		
<400> 223	cgtaatgttc agaaaattca tgacatacc	30
<210> 224		
<211> 30		
<212> DNA		
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<220>		
<223> MUT3, mutant in oppD upstream region		
<400> 224	cgtatgttc agaaaattca tgaacatacc	30
<210> 225		
<211> 30		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> MUT10, mutant in oppD upstream region		
<400> 225	cgtatgtcc agaaaattca tgaacatacc	30
<210> 226		
<211> 30		
<212> DNA		
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<220>		
<223> MUT16, mutant in oppD upstream region		
<400> 226	cgtatgttc ggaaaattca tgaacacacc	30

<210> 227
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> motif as observed in *L. lactis*

<220>
<221> misc_feature
<222> (1)..(26)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 227
anaattttctt ganaaatnna tnanta 26

<210> 228
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus motif as observed in *L. lactis*

<220>
<221> misc_feature
<222> (1)..(26)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 228
whaatttgcw gahaawtnnr wnadww 26

<210> 229
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus motif as observed in *B. subtilis*

<400> 229
awttdtcaga awwwt 15

<210> 230
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> motif as observed in *B. subtilis*

<220>
<221> misc_feature
<222> (1)..(14)
<223> /note="Sequence wherein n can be any nucleotide"

<400> 230
attntcagaa aatt 14

<210> 231
<211> 225
<212> DNA
<213> Lactococcus lactis wg2

<220>
<221> promoter
<222> (1)..(225)
<223> /note="prtP/prtM promoter region"

<400> 231
tgctaaaaat ttccaaaacat ctatagtcg taaacggcta aataataacg ctaaaagtt 60
atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaattttgt tcctcaatag 120
tatataatat aatagtatataatattatataatataatct taactacatc aagcgttaggg 180
tttgattttgg ttatgaaact ttggaaagt ggaggatggatg 225

<210> 232
<211> 230
<212> DNA
<213> Lactococcus lactis SK11

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 232
tgctaaaaat ttccaaaacat ctatagtcg taaacggcta aataataacg ctaaaagtt 60
atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaattttgt tcctcaatag 120
tatataatat aatagtatataatattatataatataatct aatcttaact acatcaagcg 180
taggctttga ttgggtttagt aacttttgg aaagtggagg atattggatg 230

<210> 233
<211> 230
<212> DNA
<213> Lactococcus lactis E8

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

<400> 233
tgctaaaaat ttccaaaacat ctatagtcg taaacggcta aataataacg ctaaaagtt 60
atttacagat aaaaaaatta atagaagatt aaaattttcg ttgaattttat tcctcaatag 120
tatataatat aatattttatataatataatataatataatct aatcttaact acatcaagcg 180
tagggtttga ttgggtttagt aacttttgg aaagtggagg atattggatg 230

<210> 234
<211> 230
<212> DNA
<213> Lactococcus lactis BGMN1-5

<220>
<221> promoter
<222> (1)..(230)
<223> /note="prtP/prtM promoter region"

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<400> 234
tgctaaaaat ttcaaaccat ctatagtctg taaacggcta aataataacg ctaaaagtta 60
attacagat aaaaaaattt atagaagattt aaaaatttttag ttgaattttgt tccttaatag 120
tatataatat aatagtatatacattatatactatataactatataact acatcaagcg 180
tacattttga ttgggttatg aaacttttgg aaagtggagg gtattggatg 230